

Title (en)

Operation motor with two degrees of freedom and controller thereof

Title (de)

Motor für Betrieb in zwei Freiheitsgraden und Steuerung hierfür

Title (fr)

Moteur pour l'opération à deux degrés de liberté et dispositif de commande pour celui-ci

Publication

EP 0689279 A2 19951227 (EN)

Application

EP 95109553 A 19950620

Priority

- JP 16059494 A 19940620
- JP 33714894 A 19941226

Abstract (en)

To provide an operating motor with two degrees of freedom having a wide scope of operation and being capable of obtaining two freedom degree operations simultaneously and continuously with a simple mechanism. The operating motor with two degrees of freedom according to the present invention comprises; a moving part (1) embedded with a plurality of magnetic bodies (2) in an axial direction and a circumferential direction of a completely cylindrical outside surface; a stationary part (3) embracing the moving part (1), which houses a plurality of electromagnets (4) in an axial direction and a circumferential direction of its cylindrical inner surface; and a bearing (5) embracing the moving part (1) at both sides of the stationary part (3) to have an entire outside surface thereof as object of the bearing, and allows the electromagnets (4) to operate in accordance with prescribed control sequences, and allows a moving part to continuously operate in an arbitrary direction of the circumference and the axis.

IPC 1-7

H02K 57/00

IPC 8 full level

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CPC (source: EP KR)

H02K 7/09 (2013.01 - KR); **H02K 41/031** (2013.01 - EP); **H02P 7/00** (2013.01 - KR); **H02K 2201/18** (2013.01 - EP)

Cited by

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